

L-M lights more runways

than do all other high intensity runway systems combined!

Here are some L-M-lighted commercial airports:
BIRMINGHAM ... BOSTON ... CHATTANOOGA ... CHICAGO
... INDIANAPOLIS ... JACKSON ... KNOXVILLE
... MILWAUKEE ... MINNEAPOLIS-ST. PAUL ... NASHVILLE
... NEWARK ... NEW YORK International ... NEW YORK
La Guardia ... PHILADELIFIA International ... PHOENIX
... RALEIGH-DURHAM ... ST. JOSEPH, MO. (ordered)
... ST. LOUIS ... SALT LAKE CITY ... WORCESTEE
... AMSTERDAM ... RRUSSELS ... CANTON ...
DUBLIN ... HANKOW ... PANAMA CITY ...

PARIS (Orly) . . . RINNEANA . . . SHANGHAI

Famous L-M High Intensity
Runway light—controllable
beam with up to 180,000
glare-free candlepower!

LINE MATERIAL...Airport Lighting

YOU CAN BE SURE. IS IT'S Westinghouse





Sala ba, 2000 pay, 27 years, did













fight conditions these usin give you the proper coubination of dependable performance with regiment Get complete asformation frees your Westgabouse office or worse Westingboose Electric Corporation, P. O.









LOCK-CLAD

LOAD APPLICATION COME

electer an annucl in Sachkur

A-902 describing the full line of



The America Work 7 Environme Param 74 Assisting Calcudar 5 New Products 26 News Dieset 9 Production Who's Where . . . 11 Sales & Service Industry Observer 11 Air Transport 31

Accompation Engineering 18 Editorial ... 43

Villes Large Contact Sprange Detroit Erbert B. Hate Sentitive Kuberner Johnson Ongon No. of Street Street Street Louisian Street Alexander Mebbert, Applicate Nove Marie Adeas, https://doi.org/10.1001/ Charles L. Adens: Toward Educ Brook H. Reiniger Admini Account

Environce and Educated Offices. 100 W. 41d St., Nov. York, 15, N. Y., Phone Designer, New Persons, Schools J. Broticol Design Cheme 15, 120 at Bellegan Arts (Dersted St. Empellie), Design D. Beckert Bills I. In Strategie and Chertel St. Berg St. St. Per St. J. Berker Bills I. In September 15, 120 at Berg St. 1 line Francisco S. 10 Feer St. Jimose 141 towards S. Corresponders Service, Soliday Dellas Berger, Describe, Mercolas Higher St. Land Cit., Learnelle, Lones, Learnelle, Strategies, Marchine, Strategies St. Land Cit., Learnelle, Lones, Learnelle, Marchine, March

Perroga News Browns Logdon, Phen, Frenkhert, Tohren, Bomber, Mellineres, Els de Jacons, Mercer City Correspondents a Alban, Mercen, Eastern Japan, Manufell, Eprild, Spone, Johannschape and more than 18 of the Bester M. Kerner, Starland S. Parker, William S. Radon, Radon P. Thie.

J. C. Orbanou, Farmero Mannere, R. W. Mente, Le. Sofre Managere, Scin-Experimental et J. C. Anthone, See Varth, M. J. Stern, Philodophia V. S. Rosen, Cardondol, J. P. Stell, Collecto, W. E. Bouned, S. Leath, J. H. Stern, Britis, R. C. Michelle, Adham, J. W. Olerson, Sur Frankrey, G. P. Shifter, M. L. Stern, Chief and Ch. Le Angelon, Older state of their in Futblewish, Dirichl. Sterns and Landau, Man. Older state of their in Futblewish, Dirichl. Sterns and Landau.



\$40.000,000 NUT

To U.S. miritimes, bond wearther still content up a larger port of the 'east' (operating augments), New large a set? "The commercial circless, exercting phoet 1,000 pircoft, will have passed months \$40,000 \$60. Le 1948) due le air treffie respection, deleys, Highe rescullations and schooleds unvalidably,

Seasonal declines, non-shed competition, low several soluout that had weather in still consecreted artistics's continue programal-and financial-troubles will be over And OCA as the one neverstand and that exchere had weather.

weather of all flight operations within a fidewise radios of bearing-on clearly and accusately visible on OGA's rador Search Scope, With OCA, tower exected new has an even better view of flufe energipous than tower responsed for OCA is the followise solution to the elsest operational wash-

tributed integration, term backs and sufery-should, and some Unitarities abread to EFE conditions to excelle and solds. space intervals destend of 10 monto time intervals, Traffic

exact learnededge of each alcoust's position, tower GCA and Terr-backs and safety-absolution department around as 1970 other arounds, denotes along translately research "no When a regue narrack threatens, OCA's hink-goward Search Server reproductely packs up at position and the tower

other secreft until the augus is solely believed In GCA's flot waster (2007-1040) of complete at Exdeleved... at LaCourchs due to traffic congestion. In the same period one year later (1947-45), there were NO concellations consed by or traffic ecognition . . . suly \$55 flights The evenue time per strench delayed at LuCoords, was

on and make our hour on 1947 to 50 mer hour to 1946? (ATA) True, GCA was not the only asymptom and at LaCusedia. corrupation and IR to the Androne' appears to the quetly effects year And they ear self more burroon than they can hardle by constructly offering fights blaces on schedule with



PIGNESS BEVELOPES AND MANUFACTORES OF SCA FOR THE CAR. BEAT AND BE HAVE

NATIONAL AIR RACES

CLEVELAND, SEPTEMBER 3, 4, 5



YOU'LL GET FINE SERVICE PLUS TOP QUALITY LUBRICANTS AND FUELS

Flying to the National Air Rocks? Come in a Claveland at the Northeast corner. You'll get a bearty welcome und Arry West will do everythese they can to make your stay Texaco sion means quality lubricates and feels.

or for become many free, expires clean . . . arrating feel errance and end penturing proper west, Flies and exceed everband periods . . . and how some creater court

> More revenue sidden miles in the U. S. ore down with Towars Aircraft

run nirporm . . . wherever quality comes first. The Texas Company, Arlains Division, 155 Fest God Street,

come down! No wonder -



THE AVIATION WEEK

Outlook for Military Aviation - A Staff Report Viene he should the separar absorbs with his measured

hillion in new contrast authority for second processment

proched a starregth of 99 groups by his. 1, 1949. Nivel Aviation was me review with art fighters and longueroscal attack above. Henceer the program was served and ever the strong opposition

formely do buttons limitative such. When it was ancount that Henc Annel Scroom Committee, the attempt to crossible the frencheer of Assesser aspess; has not your reclasioned. home procurement for found 1453 on to \$2.4 billion and \$5 welfare

stronger in the Soudo where it appears likely that a cut in the

ANIATION WERE Assure 29, 1649.

determination to "have another that at that MIT and reduce the has convered the key members of the created House consulttue and has no excellent charge to record. If he is namedal, not only the As Force and except reductor will one him and his sides a

of day better Congress for another its steadle. It is received new causes of two years are. the nexuely sodienter has related, confident Impubling for lack of peoper repport.

government contacts, but the old concern of every nee of the nodes a cloud of an appermacy.



CP HOT DIMPLER for hot dimpline of magnesium and the harder

CHICAGO PHEUMATO

damler.

cur. Edgewher Book Head Cheege. aluminum allove the 14-Friedell consume making New New World Lawrence New In director warmers in and the harder electronic alleas the op-Or Maky wrend accepts name to eliminate cracked daugher. Developed for this type of incorporates Zeobay com color display people and the which ples. Write for detailed informa-

PICTURE CRIDETS

Sept 17.15 terrait Orner and Pilets

Sept. 18-28-International Nuclears Asia

AVIATION CALENDAR

SPECIAL NOTICE

to our customers

- which

doesn't show on the



It is the established palicy of ARROUNE ACCESSORIES CORP. IN COMMENT CONTROL satisfaction the real fegadation

To implement this preside. continui personnel am availahis whorever and wheever an gatance is required. In addition secolar victo to reconstant house are made to obtain first that the user it fally instructed.

We are confident that those processor are materily beauty-

> TRIM-TROP POTOBAC LINEATOR

AT RESPONDED THE PARTY OF THE LABOUR.

NEWS DIGEST

Costin-Wight reported a creasely

Bendin Averson Corp. and its still.

INTERNATIONAL

Chrism National Assister has an

Kenchi Amort in Printer has been

Fitted with a new appensels and regions

\$180,000 contract which cowards of

sadium crossler lights, 95 high suscepty

Helesseten, Int., Stratford, Corn.,

received by CAA for hardway at Agusta. 180 ft. New criling in based on the Personal second expects of four John A. (All William, 1), working reddire contracts chief for Cartan-Washi of Bellife, was found dead new

nort Airlinot and American Air Export and Invest Co. (AAMEXX) to equippe

ANIATION WHEE Assert 20, 1970

RUSCO for Safety Belts

Why shall you hashes price new with a territor from Substitute Sales





duction, a feet model or Lovelie offers previous steel plan and control steel, planerum and man-



MICEO precision yearches have long fulfilled the rigid "AN" rewhich MACRO SWITCH has built to conferm to Army-New ourse plate of smotion call your nate-

or sales representative.

Conferm to AMSTER-1. Desirand for one

with books switch (MCEO \$2.631) which comform to AH3310-1.

IO South high concepts come (WCEO V2-11, Com-

Actions bresist (MCSO ARC731A), Conforma

12 Activities broader (ABCRO ACCEPTION). Berlaned

13 Actually broaded IMCRO INC77111. Conforms

to confines to AND LAR-T. For one with books

to AN3167-1. For one web broke railed (eth.

CRO AT PER LANGE CONTINUE OF ANDER 10-1-14 Montelly operated manufacture contact, three-

position switch with togeth-type actuator (MACRO

IATI). Designed to conform to ANGRAS-1.

to AN3166-1. Decimand for use with book

MICRO . . . A Complete Line of "AN" Precision Switches for Aircraft Use!

light weight, regard, observer-bossed milith (MICRO NEV-78(9911) with restor privages either other. Described to conform to AN3218-2.

2 Sealed plurger books (WCRO 2VES) for exdauna ma or two MCEO V3-1 switches, V3-1 conform to AM1934.1.

3 tiny weight report observe board raths with sentled phonour (MCRO REV-79HTE). Destoned to contain to AMNO 17-2. 4 Aberbum brasins with refler som setures

(MACRO LINE)). Conferme to ANCESSA. 1. Designed to erolose brade switch (MICRO 82-931) which conforms to AN3310-1. S Alaninus bossics with entery orthodox (MICRO

conficers to AMSTRA-T. 6 "S" relumant ferror comb (MICEO 82-7855), Con-

forms to ANAPIA-1. 7 to show here what (MCRC \$7.831). Conform to AN3210-1. R the educate with control book motifs (MCEC)

ST. THE Conferme to AMPRIA. 1. Q Lange are extrates breaked (MCRO 9, 1074258).

PERTFORT ILLESON U . A

SEASON OFFICES Colones - New York - Bodies ALLES EXPRESSIONATIVES: Portend : St. lenks

15 to be been consistent broader LMICRO ADS72183. Conferms to ANSIA911. For one wife book

WHO'S WHERE

Wilson Resigns from AIA and Navy likely will get a new and well substanted water that his well-publication of

fond He was finnedly varietie at EACA

Thomas B. Mode his been made very Virtus E. Bestrandus has reagged as rece

E. M. Ladden, forces up-expertency of Convent, has been elected to the board of Minusey Mr. Co., Many with Cherter T. Leach, mosther setted Courts up Ladden etill is a disactor of Convent and Leich seven processed, for you sainst an posturing stade supervising production of the F 80 Scopper-and C-125 Resides — Lycomony's general manager, S. B. Withington, but been elected INDUSTRY OBSERVER

This week's enknow is develod to the observations of an Awartists Doubl Doubs, product of Double About Co. on he codded with a lane union of the Heavy Armed Services Committee region want.

Dougho as one of the discrepted commissions chains under USAE processment policies. Consulties Council Joseph B. Kremen bod a the nature of Donalas' supposed raises. Donales convinced Keessa. that the B-50 program had bette to do with the very real long ragge publicus factor the should industry and dal a marketal sub in coffee ing these publicus. Ecress and committee messless now lest that cost industry operated by private companies

*Northeap Assentt, Inc., hopes to produce so extraoratecontal postotroe of the technique engine has been completed. Final version.

P.Cherko A. Lindbouth, consultrent for United Avenuft Corp. and LOAF, non-resident by extent USAF commander Con. H. H. Olland Aradd such metastage the 2339 Aper Ar Copy and Section process

P Arneld told Assessay Wear at Sea Francisco recents, that the the Air Chape with the first extensive data on the encolor occabilities perbendedy on lighter olumns.

P.Ces Assold added an interesting doctacts to evadous bettery with his description of the first and only turn be recognized Ass Metroid Coverant's propagatelytical on should propagately Areald told Gen. Cod A. Sports now within the North Assertion olivet at Burlorood, Calif., in 1948 they now a production line of NA72 fighten

England, told Anneld: That's the plane I want " AMC had turned you'll get st." He even-roled AMC and ordered Navia Assertess to



Industry Leaders Tell Merger Plan Details

Symington not mentioned in negotiations,

West Coast officials inform B-36 probers. By Robert Hotel . Rabert Good provident of Lookhard

Zendr (K., Pi.) segrating eleged plans therine fac of As Secretary W Strait by morphis

. William N. Allen orgadeut of Bocorg mon of the based of Donelin Assessed

· Other P. Echain clumms of the

* Security on sever monthined in all The receipt means were study

Letter Writer Revealed

necessarily, he testined. Morea, he said grand on he copy of the reconstruction to See Millard Tulture (D. Val.), character of the

Moser is the Wishington representative of the Clean L. Martin Co.









P Walls Testimone-The every play

No Rependations-Fig marked than stillar companyly and lander over

The anterement letter also channel

that Wolfe was loving in a house at

Duce Bouch land for \$2500 and her P. Hose Agrold-After bentus Gos If If Ameld retical 1754F commembers of the USAF Sentor Officers

said he said Said a mouth orders ared

Segmenton and USAF programment B-49 production contract was proceed billity of a Contractionar masses

· North Amotom-Connak, North

told the subcommettee "There was Echols they but a three hour talk with Odium regardent the proposed . Some Pressue-"No company gladle

"Office and he thought it was but her not to lave two economies in one. Offices were still good friends and that pleas and that it was better to every, Northmo-Couver combine Ethols

said he was ye an position to offer Shields, a C W director and New York

Morting Bild-AMC schooled 2 meeting for that purpose. This meet-915, with Odlars, John Nochen-Chade Mosson, Northcor granul became of the compleased expetal manager Figherd Miller, Northropsolution would be for Northway to sale *Lockbent-County, Com size de

tors to a defical position. Obveously cock. AVCD positions and lake forceably when it was suidealy abou-

there was no surplus of top manage-

. Both company's securities were feetsonger. Much later (April, 1949) the Scottle and they discoved the peep nating in an "uniquipathetic" manuscr . Convey had prove doubts as to the

after USAF had decaded to continue

Congressional Roundup 70-Group Plan Nearer Approval Senate. House committees needs action on important

military aviation measures; civil hill passes. ward becoming law. These include *20 Cown USAF Authorizations Lagranian sering an authorized Bt authorizor 5190 raffice to start cost estimated at from \$200 million to change is the Hause-spectral bill . It codened the 75-greep program.

presunte . . . sprandrona, exporrementad militar and there should be no found . It struck out a resvision authoryses have coveraging. The Bress hill equipment, and palific works would . Reduced sufficient rearly commit . Barred the Als Ferce's using funds

* Marrie Ata France Bann, \$25 reillion. . Gent Fells, Mont., AFR, 57 reflice. . Kerthook, N. Mex., AFR, 52 rellion. . MarDill, Ph., AFR, 54 rullion. . Moun Lake, Wash, AFR 55 relices, 4 Straturic metacloses shower for little publishing \$111 million to confinerat David Taylor Model Basis, 52 ccil . Involven, Calif., missile test statum. true Plan of the Department of Do. 511 or Propi-

by surbody reguring a merger with Orline's Atlas Corp. had adequate surger decement in the industry. Cross suttled be owned 10,000

makes the wever formerly onlys. FORms Offer-Grou and he did not FNs Doorles Masser-Doorld Doorles

· Lake Demark, N. J., reconstitutional artist interstory 57 cuffers. ▶ Gorded Miselle Test Resp.-House

The healed san at White testing by the end of the year according to PRAC. Yeard cost of the Physics

The department place to mangurate is given 50 days to consider assected P Per Boosts for Astation Officials-

Closed-Course Jet Bace at Cleveland con Soher (9 84) overplanag Egliton

scaled by Read as the festers

Odom to Race

cut E41 modified by I D Boot at

* Lastherd Shootsup State (FASC) as Free Sues Northron. Claims Raider Idea . McPhocoeff Benchess (E-2015)

to bein your the end of the wor and P Corner Back-Mast of the old fever

more, with a special F-72, and a use

The mosty assessest. For told ► Background-Later, Free claims, Coho rayalty agreenced, but a sales agree

Strikes Off

removably and property by 14M4 whose * NAA Tilly Debugh-North Asset

FINANCIAL

Leverage Keynotes Airline Gains

Improved dependability pushes carriers past break-even point, enhancing gains. Tax credits aid upsurge.

carriery, have been most absoring to revealed by the Cryl Acrossottes Blood

TWA is descentation stone or carwings is har-bighted by a compension

\$110,000 for that wants. In how, the 52.3 million In other words, while served more than 1988 current Jaly traffic, which was about 5 nearest

utlety, improved dependability of ushed-

credity provided a custion which perfor only \$90,000 is federal mourse mone of the ten less to other enreed

hundren of ten credits, in most in-

Endom Air Lines, which has been

There is no mystery to the fact that added commercy may recruit the more

-Selle Alberted

AFRONAUTICAL ENGINEERING



Jet Fighter Refueled Via New Technique

Meteor pilot moneuvers nose probe into tanker hose cone for automatic connection. Breekaway simple.

London dear the Metros dumer deriver approaches Their street (McCore-Hall World News) stand to be quite opportunities once to a dramatic cleans when a 12 hour Early over England's south * Technique's Pountières-Refueleur Us to the payent tiese, however, the

best value is a sky crea-encod with enemy fighters or throughd with than two hours P G ("Pat") Murnings took this porticular Meteor slott

Early-crisched of good traveport plane 1984A our the Arean, dames the name of the Meteor is simple-out Schier THE IS TEAMSFERED at 100 year. Fighty show-from war via direct because days, anywally send, were increasing.

with the Meteor up to a maximum range of 100 mi. Henon, rendersons * Technique Usedo-Frennus Batali so. factings in hight have involved toma-acet aignes, with the fact being passed F Contact Dende Before took share shown ACOO It, much thus been mph.) The fighter's dive flaps were fully extraded to many the sales or

feet fearifies, e'v refind here or U.S. Last their bours of the field were

workfully for this purpose. But with a preferent fisher, the and the coupling-up as timple or Pinto Reindon Dil undel un reath of flexible rebber have which The courses fighter, which corner no sloss behind the traket corries a contact is ready, the fighter point thes. newil showed bullets halve like a replace formed number four fact formal to

family on the probe. A rabber may in teriled full of furl. (In the demonstra-

was crade and condineurs was one 187mm the result to complete the from the belly of the tunior from a



SEPURING PROBE on Matrix, not coving sensord, theying her connection to

point, a green light Ashen automat. the darm looked when two peak hill . "Things Tanker"-Strenger, school

Wider Use Seen For Air Refueling

By Irving Steen Elebranting on the application of the vapphed from one trailer-mobile with how men torical from the week could be evaluated at you to the rite bilionities on orifliary analyzations

"Honeres, if we plen to relial that





Lightweight Air-to-Ground Teletype Unit

New terminal is automatic, weighs only 15 lb, and is pressurized. Advantages seen over voice measures.

A telegraph pointer terminal, permit-

The new troused, Model 245 weight only 15 ls with shock-mounted SO,000 ft , and is completely automatic. Device is the agrid-converting light between Model 12 Deleters studies. reliable for raidole sorvice on the The terroral sample is alwayed to service in Aliako, and the Navy has vena When visce communication at Castern Sent-oned * Advantages Reported - Assorting to by correspond of converts the two for ble mentiles of humas or decadess In fight tests, it is apported to have tassed and specod electrical sequeles renormaled accomplaily with a signal-plus-

A tesk which reconfectures for codes controlled laboratory conditions has trikes his hunds off the teletype Lay board. This true lopes is provided in been dividoped at the University of

· General Makeup- I be terroral med greats On one and (chosen is a decay are \$4 × 64 × 164 in be set to descended other than 500

Engineers Develop Fog-Making Device



what UNITED AIR LINES

*Our service testing of Morsonto Skydral has demonstrated its superior quelifies as a fire chargers. We consider the development of Skydesi an important safety step in syintion."

W. C. Muenter





CAA APPROVED SETTEROL COMMUNICATION CARACTERIST on the hydrocky field for cobin. SETTERNS IS for contrast or assent. The new formachine SCYSECS. In an excellent laborated in its sound crossed crosses SCHOOL Is righte at presently required apprehen because SKYDEDS is non-corrected to advent match, and elloys.



Barra Labor to State and State	Speller, June rents Decided	displied	Liferature and Displace
rhose			
Canana			
Start.			
00	- June	. Andre	
PRYING INPUSINY			



. Save time . . save manay Av. Status is ready to handle your corner

scorage, CAA-approved for all reason step covereft service 24 hears a day. Our highly shilled assumed work in hope shoot to incen you secreting surrege with auties-Our year stock of covered components makes

cor. 691,000 fully indeaed except ports are

W from charter and contract marratus to the world's largest sidine, AMARCO saves \$555 for the and supply at sensible priors, contact us was I

F O BOS A MINN IMPED, ROBON - FROM 15 360 CANT. ARMED

→ Can Proof For Stuffer—According to While the officente objective of the

ENGINEERING FORUM

Ailerons, Too!

For Data Exchange

sensely man early for it? (WO)

by the first Early, with twice remains Slinstick Slin?

POSITION CONTROL 4-WAY SELECTOR VALVES





NEW AVIATION PRODUCTS

Resin Coatings Combat Corrosion

found an application in the eviation constant temperatures sanging from by the Notion Products Corp., Buffulo. All of these forces of "Netewate" or . No 24 Improve to opposible one At least one large U S sirked has



Dual Potentiometer exite, profused by G. M. Offmains &

Dence menunce I in in dameter.

Protects Motors

Desirged to turn off motor or other

Utility Vehicle riemwelle research compared when a for opposing snow on airport aponu. Madel I ZMA is offered by Walter May for Truck Co. 1004-19 Irving Are. Referenced, Long Island, N.Y. B. n. dereceives must be instituted before signed to provide effortive on living power



Small Blow Torch

Protective Coating

Sinthetic rebber cement, "TEST)

PRODUCTION

AMC-Industry Simplify Contracts

Basic interpretations evolved on certain legal clauses promise less necessity for further negatiation.

eventually a expected to make many Privat Bights-One privary subject of Afficence in contact accordances Ast Materiel Command, USAF proother cover or to get accordent be

Force and here completed basic spice ment contacts. From now on, these

hoe is full amountly on the energen's the other, FIUS Coroles, Netw Particle

Concusual faccion appreciable severgs One consider new contract made subject to a beaut surrounced in only two

* Boke Pleac'-Under Section A. derestas, percente, officiale and to puckaging univerties, foreshing of



Fire Resistant Cont Ups Tank Safety A self-coding arrest) that task filled

with high-octant grounds fieled to ex-

sixting frace and lest long crousk to slighting over a minute at 3500 F.

Latest Air Force Bid Awards Drie Fortgare Dr., Inc., Eabylon, H. T., on a Not of Mil St.

For concepts thewever (40-010); Companies absolute-Veloni Bool Can-les Lan Angelo an a life of Divisio

For maker arrotration det-rises :
First Electric & Mile Cv., Memotics, 0 . TO STAND CONTROL OF THE PARTY AND ADDRESS OF THE PARTY ADDRESS OF THE PARTY ADDRESS OF THE PARTY AND ADDRESS OF THE PARTY AND ADDRESS OF THE PARTY AND ADDRESS OF THE PARTY

Navel Aviation Awards

A sestout for 16 new tree mobile bouch Charles Why Co. Park No. for 8811. For serve motors, Mk 1, Had 61 The A C Cittle Co., New Hores Comp. Boong Alighne Ga by the USAF. With

SALES & SERVICE

'Better Deal' for GI Flight Trainees Congress approves and sends to President legislation expected to hike encollments by half in next 12 months.

By Alexander McSaude have year round good flying weather well be an a position to cosh in more on Independent Offices Assessed him Rdl.

efficient respected by "constituting

· Chiley. 1961 Buly 1 1948 as compound to 1945

shooks tarectiful to noticets short

which has been to exception for a Hardfreid search substate that a

that 60 percest of the veterans applying for flight training from July 1, 1916, to iwas 30 1949, had their recently Supporture Affidences-The new commonths amendment remains as effect

The VA setementations smallest on

P Additional Broadwagests/The new

likel docoted or made available on lone

weeks below the compromise among you see that others will full this was

> order to get some frong in Neball of the two affidacts that they were borners,

Oregon Plans Low-Cost Strips

There such stars here been suffer.

1500 to 2000 ft. lower and 75 to 100 ft



How Douglas is helping to meet the

GROWING CRISIS IN AIR TRANSPORT Military students fully recognize the visit side that or · Bromblegath propriess and warphough broke

· Diversag 48 feet above the ground, this gives transmen will do book on to \$5,000 Box a decrees of

from mediamoine air Ealth. Descried to report and roundy alched operations, the

SERVING MARKING AROUND THE WORLD









AIR TRANSPORT





U. S. Airlines to Buy British? Sen. Johnson tells of plan to purchase foreign craft; hits American completency in let-transport design.

Great Botton's executes would node our restry our takes over by storbus component to sell ats new set and durbo- bloc constitute with their lawer water peop tissaports is strengthening one it will be difficult for Acaterious on-Senttor Edwar Schwere (D. Colo). affected that "goved U.S. neline new, new branched decreal the harder of will be to everyone the French ad-On the long international south

AVIATION WILK, Assure 25, 1945

soily leadle, Johnson contraced opplying the scannels knowledge in the relactioner of substant authorities

Inhuma repulled that due to neglect derted that without the shelpty to * Communication He - " tory caused again safely take over the our damption of melification and

The Consister Consister chairnon mosts the National Military Extablishment to estimate the number ► Three-Year Land-"Once the world as they are technically and economy of mixed of a true matche for com* Bellion Salestone Bore-The sens

mental use that would be proposed the Vicken Assestrance Viscount, Arm.

Prop Reversal Causes NEA Ceasls



Now tradet office for Pay Asserton Ass., part of N. T. Pasto Roo begings Integer

ngy, and started by Speriod-explaine program is Manual Cultura. Washing dapless ad-

her done some week toward matelliation of tubopus segmes to its Copyrio shades of possible saviditation of horbs propriets to the 91 ton XXV4.1 Con-

wated sea corr a 10 (0) to come had

ore reconstituted by Africa and the

Engineers but weak were studying stance reported by arkines in recent

ANIATION WITH Asset IN 1985

maying into sevene while the plant is LATA Reaches 30 When the place touches the ecosts the locks move pat of the ear, permit the the throttles to be moved fresh

*AA Come-AA found that prop or On the been of these two remor ascalcuts, observers feel that more for

Service-Subsidy Bill Unlikely to Pass Clurees for exactness this year of

legistation opposituate paparation of Corp. Senate Intentate and People Comenting Committee, introduced a new

woler a study looking to the cutshish ment of "servers" soul per rates for rintes in the downstir and recovery PEScative Nest Year-The rates would effective date

total defense. These payments would CAR is directed to study the "fear" To Stop TCA hitty and wedger, of carefulness poles the principle that U. S. estrera

ARIATION WHIS Asset 29, 1940

of the federal courts in its Ealst to our curries for similar service, plus a subnely to compensate for differences in wage rates and safety stepdards and In a sait filed to Washington the

its verted respecty rights in the New Hidred cited armual passenger lead virtue of a consumpy by CAB memto 26 willion, and an increase to risks. flows of from 601,000 to 1 belleto. within the past 31 years Between 1919 and 1949, Hildred carrier to operate the Marchael New multiplied in 25, and its cost to the

TWA Faces Ouster From Fairfax Base Air Freez has understod at will not or

Family Fare racks Fortes on Air Blooms topping John A. Collinss, TWA sair rens

person record in France City to 577 reflect Concern nephron much \$6. raffers our year Coffeen son the actes, if it goes noto effect will mean Capital's Coach Gains Trim Mail Pay Need

The Culenial sort describes got-

Unsted Air Learn, American Airlines

tuesd Robury

would not be offseted by said stage the corretain was a money right; both Colonial Files Snit The \$30,000 wantship at reach and was shown after the survey absorbed at Colored Arbers has sought the sel-On an added out been, the avenue meetly profit his been over \$115,000 ating a connectitive Mandaral New York - P Traffer Analysed, Returns No. 1 1945, and July 31, 1945, Cantal carried

sprawe persenger soles with an arctime

executeth neigh the ractor except P-Added Cost Results-Carrached \$200,000 weeks of adversions from

Every Kind for

most in the first har or less was

mathem tackets sold by the demonstr

Two More Nonskeds

Under Official Fire

The Board has unlocal Mr. McKirder

********* Immediate Delivery from-

STEEL

Every Aviation Requirement

MANAGEMENT & STORY BANKS Assert & O

OWNER AND A SAME

russes -------

RYERSON

COURS T ESSECON & SON, INC. PLANTS HEW YORK BOSTON, PHIL-ASSURED DITIED CONCERNATI CITYSTAND HITCHISCH BANGO. P. Horsis Corner Hit. Mercelelle. San Jazz. Pecrto Rico, in violation of The requires marked AAT's conLess because they were not us common

* Associated Airways, Burbook, Calif., \$109 and \$199 rounding. DC-6s and List. Cortificated community charge stayond to make a stay at Derver.

. Bobin Airways has recurred the for

New York Structure Proposed by NWA

tickets on regular DC-6 and Markon 240-1 schedules weald he only fee erets a sule, compared to the present P-Ortober Target Date-NWA about to agely formally to CAB for the new face

Scottle would be \$157 AS, Medics 2-O-2

would be about 17 percent lower than NWA Donafout Cord Hauter out

Gested Air Lines sirendy has com-U.M. turfic. As a result. United has requested permanent to aperate from

Hong Kong government required used its



secure against vibration

chests held server the "threehler's" measuremen tone engine wayer countrily, bernessing the 2700 horsemake were of the saway places HU-DITARS are willbook in the "Absention." A reser of "MI SMEAR Bless fortune Test" will be familiated upon request.

1949 RYAN NAVION

Reduced

FLATTORE Armor Coated PROPELLERS

Effective MORE EFFICIENTS **Immediately**

THE REAL PROPERTY NAMED IN Desfer or Distributor for a descentration of the faster. Stolenbern Street ut He Extru Cent queter, more confertable '99

Ryan Havion THE STREET, STATE OF COURSE

MANUFACTURING COMPANY World's Oldest Builders

of Alexant Prepailers

Pro Amazon openins to the Count ► Robinson-Hac contracted to hand-

richtes Arbeighter or Borrey Strate * Torra-Austrolia Alchaes-The govern

Tremaners-His rigned a non-to-ir

CAB SCHEDULE

Posts 1990 Posts 5--Simility on convince to Labo To-or, Physics 1970;

Supt. 16—Hearing on CASI byviringation of Improacused Air Francisco Sum. Agrees

IFTTERS

New Era in Labor

"OPPORTUNITIES" NUMBER Year mount of the equatation of the reductive Annales to Exacel absorber made

Fire Fighting

Stewardess Contract

SCHOOL

The attention was to privile our look for all COMPLETE DC-3 & DC-4

PROVISIONING PROGRAMS Prest & Whitney and Wright Engines, Ports and Accessories

SEARCHLIGHT SECTION

A common for experience articles and

the plant time pupils to proper the franchise-figure of percentage from Tark (CO) maps or has Principles offers count as not like.

Distributor, United Strates Rubber Company Arietics Products MANUFACTURES OF STANDARD AJECRAFT COMPONENTS Sandy address 1 to 1982 1 Sparter Monthly World

ACCESSORY OVERHAUL INDUSTRIES, Inc. encourse their oppointment or on - ANTHORITED STRANGERS SERVICE STATION -BENDIX PRODUCTS OLVISION

MASTER CONTROLS AND INJECTION CARRUSSTORS Which is accomplished by backey and ability indeed auchasia-130-41 91 Ave., RICHMOND HILL IS, NEW YORK with authorizing of our facilities in the first to not describe they have been been to the party of the party for a party of the party for the party of the party for the party of the part

AVIATION WITE Assur 20 1940

@ SEARCHLIGHT SECTION @

-FOR SALE!-DC-4 (C-54-E-DC) 50 PASSENGER AIRPLANES \$125 00000 mlm

Equipmed with P. & W. E. 2000, 13 (250) 353; Favines.

. Lecently removed from scheduled possenger service · Standard cerbine interior. "AS IS" MUNICIPAL AMPORT, TULSA, OKLAHOMA

Address all requests to AMERICAN AIRLINES, INC. 43-62 Ottoon Sustrand, Astoria, Long Island, M. Y. (Telephone Microscoped 6-1980)

DOUGLAS - DC-3 TYPE- CONT. LOCKHEED-LODESTAR-

Choice of: Interiors-Radio-Instruments Optional: Engine and Propeller Combinations Loren Stock of: Engines-Propellers-Accessories \$200,000 Inventory of Lockberd Airfrome Ports

Affiliate of Assertes, Inc. Hoogar #2 Invastinant Argest

LBS AIRCRAFT CORP.

with the results of our roll DOUGLAS PARTS and COMPONENTS verticiny in Respondingly. \$1,000,000 Inventory of DC-3 Meterial

Wises-Center Sections-Control Surfaces-Forl Tonks

Lending Gears-Hedraulic Units-Tires

MAINTENANCE - OVERHAUL - CONVERSION - STORAGE AERODEX, INC. "SEARCHLIGHT"

International Alegen Miren Sprage, Flo.

STIATION WEEK, Asset 29, 1969

Serve or construction action

POSITION VACANT

SELLING APPROXIMATELY OFFERING

TO ANALYSIS DATE - NAME OF TAXABLE

ACCESSORY ACCOUNT

For Engineering Representation

seconditives now handling serveral

Arrest, let, and Albed Folds.

Sand fall details with ready to:

HARTON, ADARDA TOPE

"Delighted

parts for economy overhoul

AIRCRAFT & FLECTRONIC FOLLPHENT As a leading supplier we offer a BEAMO NEW INSTRUMENTS * FURNIT & HANGATURE DESTRUMENTS SECTION AND ATTENDED ANTERPOR CAT SERVICE SERVICE STREET

> INSTRUMENT ASSOCIATES INTERNATIONAL PLOPERS H. S C-46

WICK Fleebler, N. Y.

PARTS Lending Com Assembling A Posts. Control Surfaces, Cond. less. Hederatics, Engines, Pronaffers. Accessories. Banka

C. E. MATHEWS, INC.

STIMSON Policy operations of house White day with him him

SHEE Station Ave. Characterist, State Phone Montages 1774

employe receives of evertain, that Tay, temployer and bound all conseques performing to the sequent. We have been engaged in the Overhead & Sale of sequent have for the pair here years. AIR CARRIER ENGINE SERVICE, INC. P. O. Res. 1330

Sublings #251 & 252 Secondined Algori Cable "ACENCORE"

If there is anything you mintor conciding you don't wont that other readers of this power for continues were than the power for the continues of the second for the continues of the continu

investigate delivery trees stock at

@ SEARCHLIGHT SECTION @

PAW P-1830 PARTS

CAA-APPROVED OVERHAULS Engines N.T.S.O. P & W N.T.S.O. Engines For Sole Without Embarge -- Benburgs Price Back Grathaul Prices

\$2000.41 or 21 2.100. 1.218 custome The above prices are of Plat 8.1830.41.82 1.816 Care, Law Carb. DON'T TAKE CHANCES ON SURPLUS ENGINES All work and anning cales easy our 100 hr. warrendy Dramante on Quantity Parchages of Five as Hors Septem The management and Kee Mea at A. C. E. 5 are all frames from A Wilmes Aircraft Sparriers and hims the health of new 25 years accountled superiors. We have a contract and being the health of annually flame accounting to the contract that the contract to t

Missel Backto

Searchlight Section AVATION TOLABINET







Manual

DARNELL CORP. LTD. Long Stock 6, GM

Stownson, New York 13, N.Y.

WHAT'S NEW Trade Literature

Trade Literature

Channé Maria Ropot², pupand
by Assista, Wirex Maganar, in 11page publication sound in the industry,
page publication sound in the industry,
particular, Associated Warris, 130 West
43 St. New York, 130 West
44 St. New York, 130 West
45 St. New York, 130 West
45 St. New York, 130 West
46 St. New York, 130 West
46 St. New York

Table Company Company

Table Company

Table

"Supposements in Clife Prift Transmitten," by C. H. Jackson, Radio Dr. velopment desson, CAA variable or request to Cerl Amounts Adjection Introduced to Cerl Amounts Adjection Introduced Amounts of the Cerl Amounts of the Cerl

Books In Preparation (the root information about the full toring books, address inquiries to McGrawHill Book Co., Inc., 330 West (2 St., New York 18). "Startown: The Autobiomobia of

an An Continuous, to Enginee E. Veri row, worker problemtion by Widdlesey House, 130 W. 42 Se., New York 13. 'An Insequential Section Frollie and Management,' by Thomas Wolley, we to pollvein; by Thomas Wolley, we to pollvein; by E. T. Van Continuous and He Enginee.' by E. T. Van Continuous and He House of Gor Time Sequence,' by Lodie E. Newfor, Inserting and the Association Sciences. "Secrement Levelinearity,' by E. B.

C Miles Drives Hosters University
Transplet of Aerodystensics," by
J. H. Dosseral University of Working
to October publishing
Testinggraph September Area
femanics," by E. Arther Bossey, John
Modeles Descripts, Neuroles mid-

H. Abbett and A. E. von Doeshoft. August publication

AVATON MICE April 29, 1961

RTISERS INDEX LATION WEEK

Clean Persons Tel Co. Assert G M Balof Co. CORPO Sen. Inc. St-Storr Start Test Co. The Agency-date T. Sales Co. Read My Co. The Revenue de Boro, Day, Dongle T. Apunto-Audens, Morre & Walton Adv.

MALLYYERT

Ming Crysteroline Officed before Crysteroline Officed before Crysteroline Student States of Control of Control

For over hitsy years Keeter has been our certain with probability solder for every phase of industrial work Table of oursigns of the experience by occasions Enter's Stochards Department on all additivity problems. There is no subliquition.

1915 - Enthals before Research Starking as Research.

"POLICE and Judency Technique"

KESTER SOLDER COMPANY

4201 Weghbroad Assess - Change 29, Ifmes

Dat you know that Ender makes over 192 000 steen and began of Darcons subject





EDITORIAL

The Trend to Mass Air Travel

expect that the expension, most in morphise for recomme, no expect a minimum set wrift of \$55,000 monthly. In June, exacts servings, even on an allocated cost bana, were \$97,715. Fundant

stileng the family plan.

"The potential for set transportation is not represented by a single demand come," National's possible Tel Roley were Assessed Water. Tentered, it is made up of a member of groups whose sir breed demands delite. There are some, her exemple, who will deced by an on matter what the few. There is mucher group "Arthor are in business because they hold a creditate of makin.

fulfil the terms of their conflictor of they recesse their private "It is very feer that exact fees in the becaming may recover an National, in its application, proposes to start focu-coating sole

Still after developments had work pointed to a grawing strine-American, Elected and other domestic lines officing the female Nucleons, first scheduled corner to offer toprotestareald couls

and the public's engineers to fir. Too long it has bested in the not row CAB-ove stop the front to finer favor. No one that we not work everwhere, as Mrd.Contrast Antices discovered Can service. Octanily as couch must make money as it thends nee be now do home marker but the an enach observes for some ingraffin. able crosses network to believe united this direction the fact that of his life. The money CAR covery shound that 15.5 per cent of





Pegasus of the fleet

Main rotor drive built by Foote Bros. for use on Piasecki Helicopters If there is a tough rescue job to be done, the Navy has a new assistant to do it—the Piasecki HUP-1, flying work horse of the fleet.

Sleek as a thoroughbred, this twin rotor craft carries five passengers besides its crew of two and can accommodate three litters, bearing hospital cases quickly from ship to shore.

On missions of rescue or swift personnel movement—on the transporting of high priority cargo or quick delivery of important dispatches—this new "Pegasus of the fleet" brings added efficiency to naval operations.

This newest addition to the sensationally successful Piasecki helicopter family will, like its predecessors, have rotor drives produced by Foote Bros.

These drives include Foore Bros. "A-Q" Gears of such extreme precision that despite light weight and thin sections, they permit high loading. They bring new standards of speed, compactness, low noise level and assure efficiency that marks new advances in gear design.

FOOTE BROS. GEAR AND MACHINE CORPORATION Dept. AVW, 4545 South Western Boulevard, Chicago 9, Ill.

FOOTE BROS.

Better Power Transmission Through Better Bears